

STAT  
November 13, 1964

PROCESSOR DEVELOPMENT PROGRAM

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The organizational changes at [ ] are settling down. [ ] was named Director of Engineering and he is working diligently at establishing a sound organization and allaying any possible apprehensions of the engineering groups.

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I reviewed the program with [ ] and reiterated George T [ ]'s request for:

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1. Program personnel organization list, preferably with brief biographies.
2. Program task organization chart, preferably with brief task descriptions.

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They said they would have the charts at least for the visit of George T [ ] and John P [ ] on November 17. Progress Report #3 was mailed on Thursday, November 5, according to [ ] so it appears they are starting to communicate on a current basis.

The clean room installation is starting to move along rapidly and will take up a major portion of Ivan's time over the next few months. Demolition is substantially complete and the area pretty well cleared. The concrete slab is laid for the HTA-5. The [ ] steel floor beams are due to arrive November 23 and that will initiate the clean room installation work. It is scheduled to be completed in February, 1965. [ ] has completed all but four of the stainless steel wall panels so erection of the clean room should move along rapidly.

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The test work on the pipe and fittings may turn out to be quite productive. A simple fairing of the PVC pipe ends in the fittings gave an almost 10% increase in flow efficiency. A further increase is expected from

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the stainless steel food industry pipe and fittings because of its smooth clean bore design. High efficiency flow plumbing could materially reduce the power requirement of the HTA-5 which is now excessive.

The single slot, very narrow liquid bearing is certainly attacking the problem in a fairly fundamental way at one end of the spectrum. They are making some headway in controlling pressure distribution along the slot. The aim is to obtain a self-centering liquid bearing which could then be used without edge guides for the film.

This would be quite an achievement. Most of this work was done by [redacted] are full of enthusiasm and ideas for the program. They are extremely anxious to get it moving in high gear.

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